

CLIENT/SERVER ARCHITECTURE 110

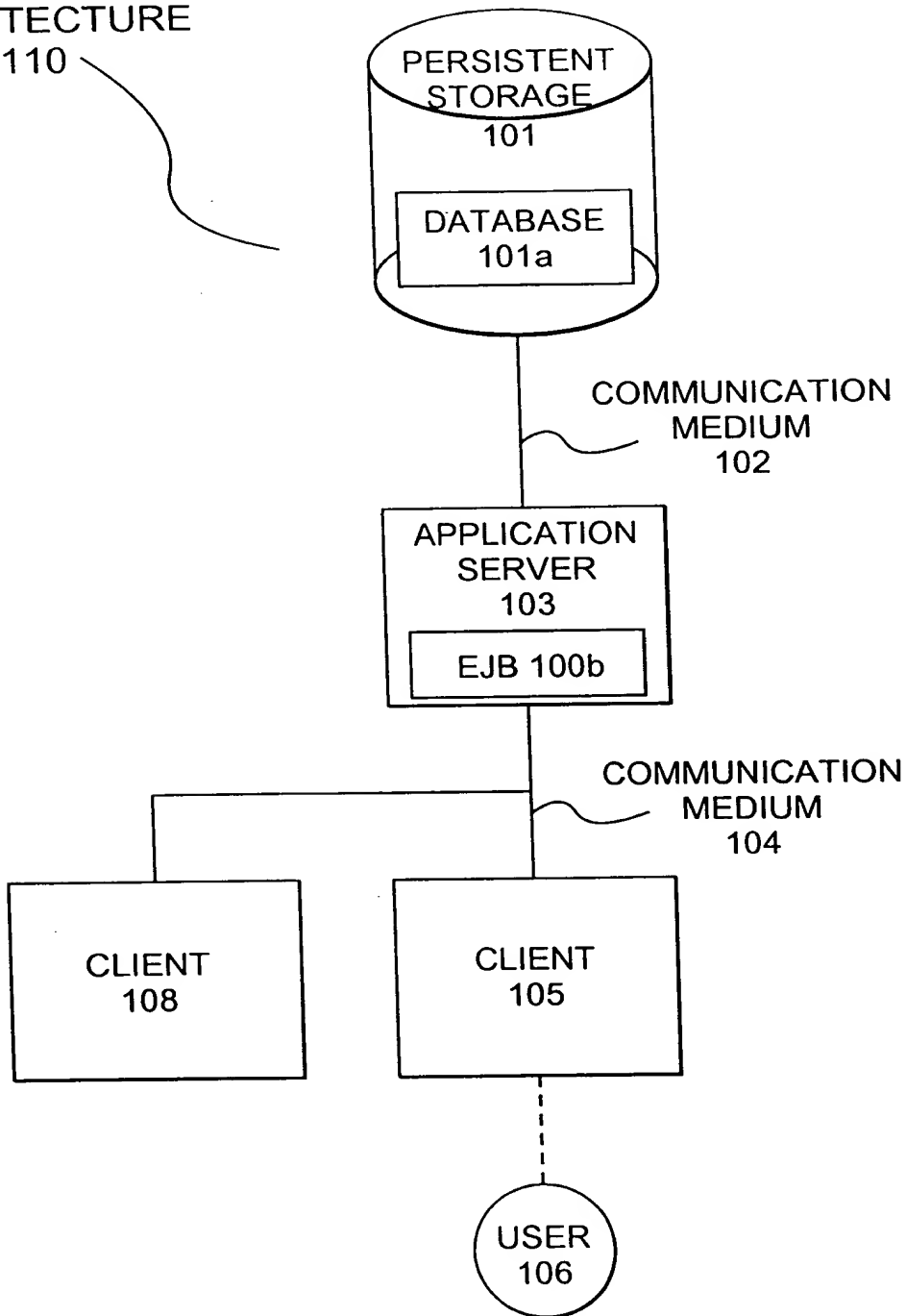


FIG. 1A
(PRIOR ART)

JAVA ENTERPRISE APIs 100

REMOTE METHOD INVOCATION
(RMI) 100a

(peer-to-peer architecture)

ENTERPRISE JAVA BEANS
(EJBs) 100b

(multi-tier architecture)

JAVA NAMING AND DIRECTORY
INTERFACE (JNDI) 100c

FIG. 1B
(PRIOR ART)

MULTI-TIER ARCHITECTURE

160

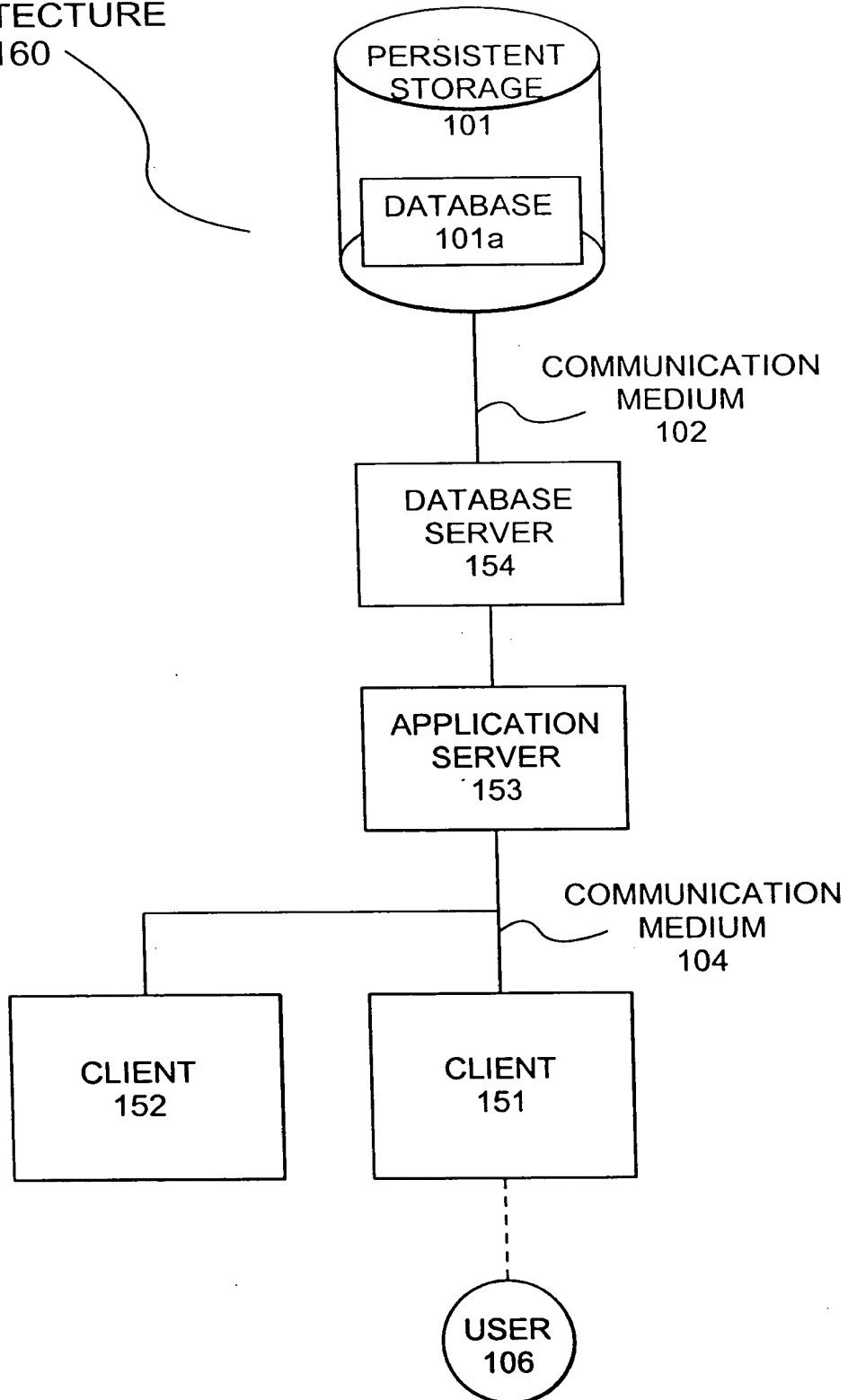


FIG. 1C
(PRIOR ART)

PEER-TO-PEER ARCHITECTURE 214

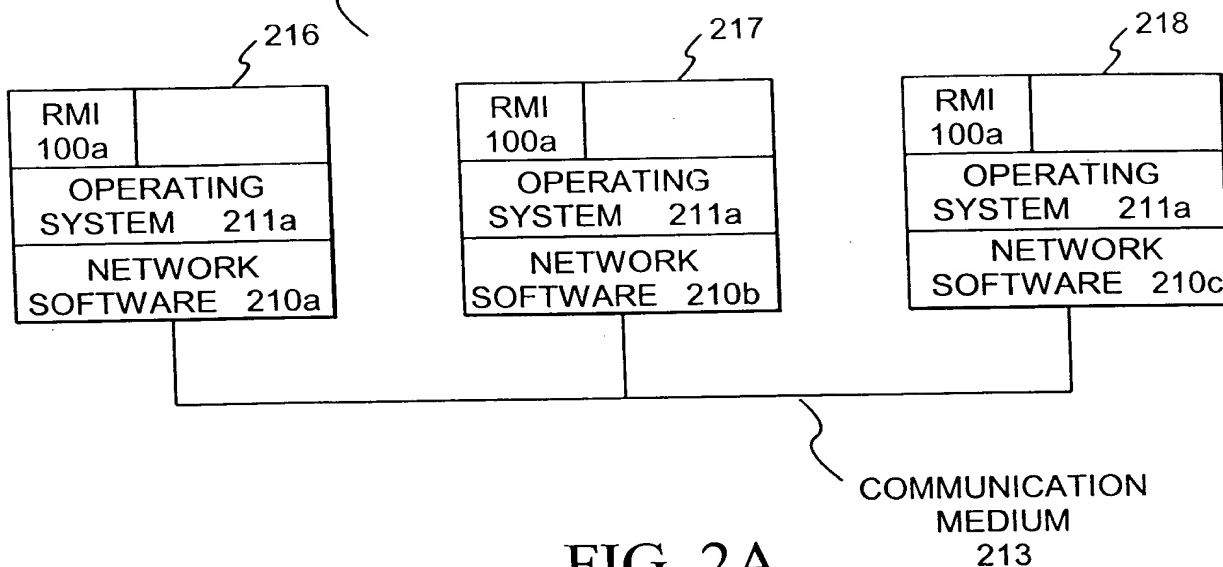


FIG. 2A
(PRIOR ART)

TRANSACTION PROCESSING (TP) ARCHITECTURE 220

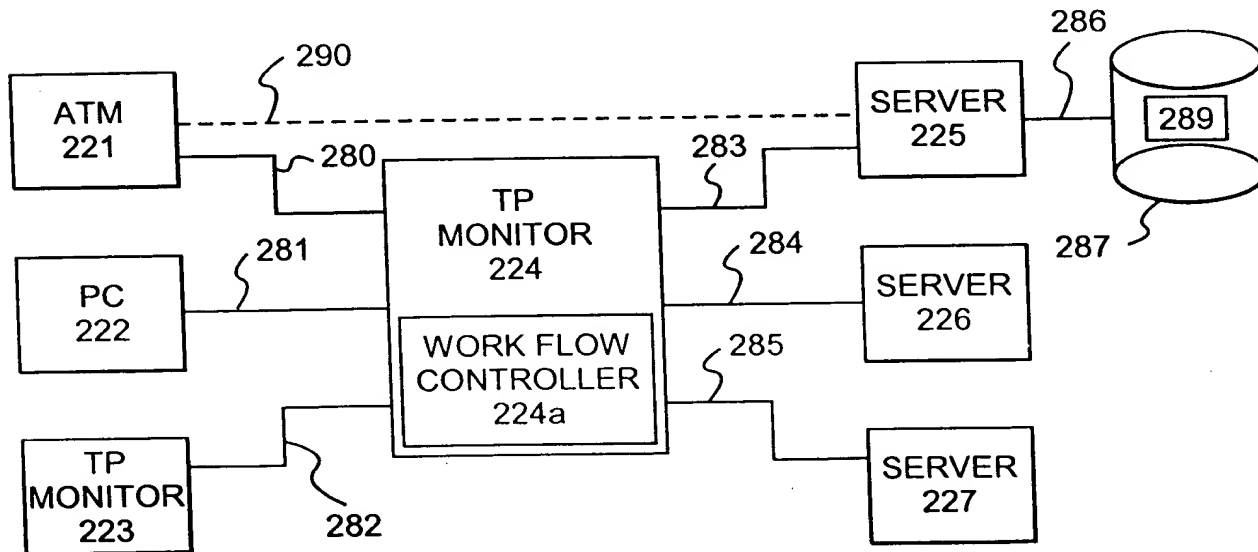


FIG. 2B
(PRIOR ART)

380

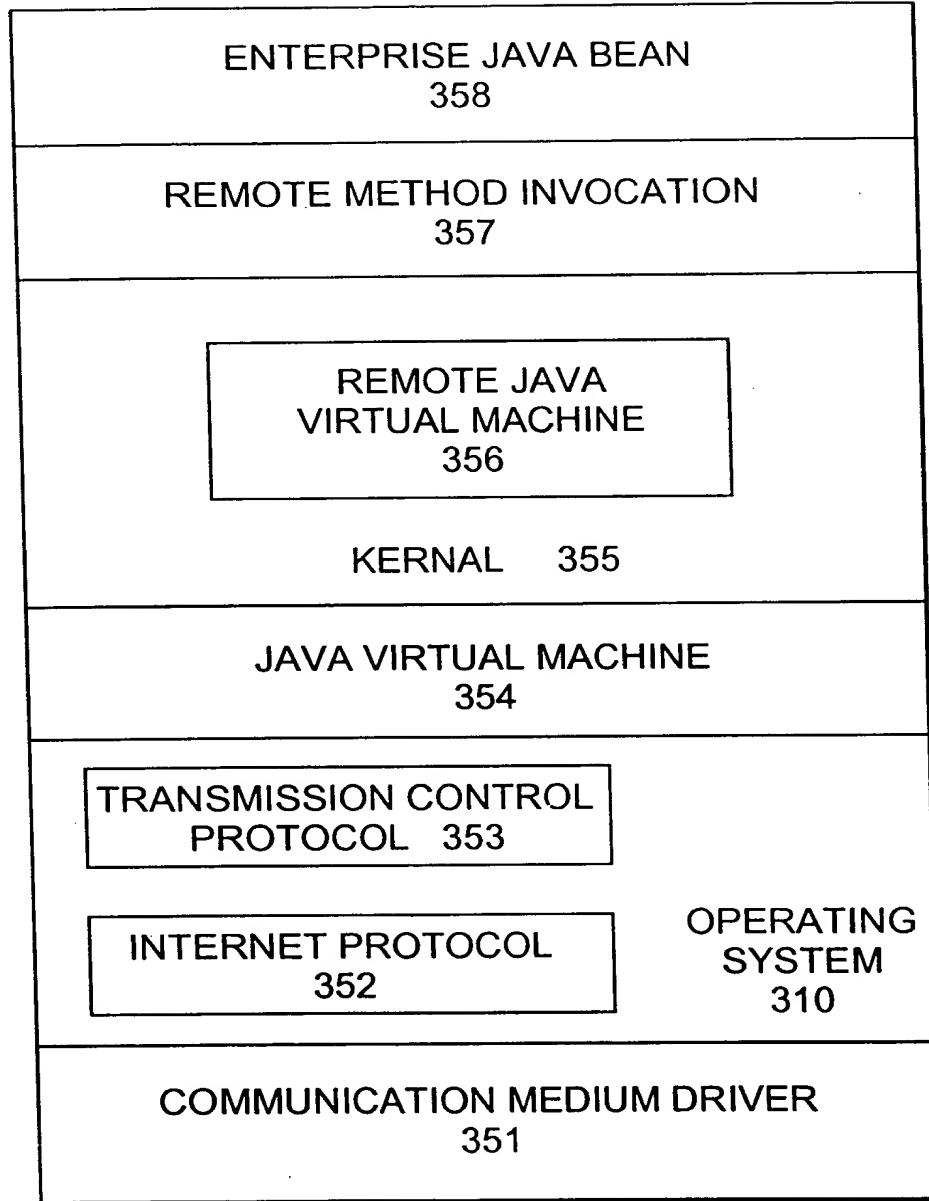


FIG. 3A

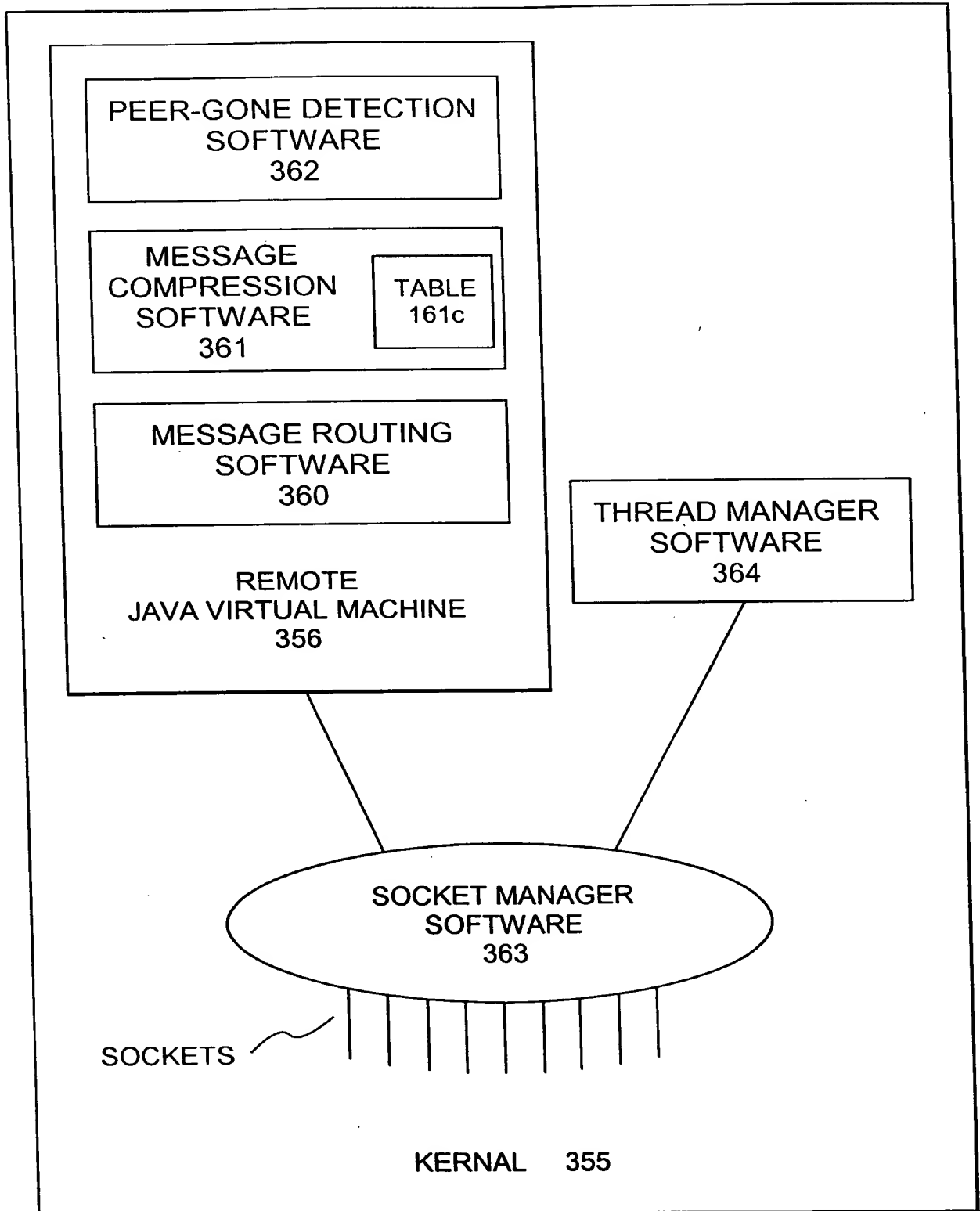


FIG. 3B

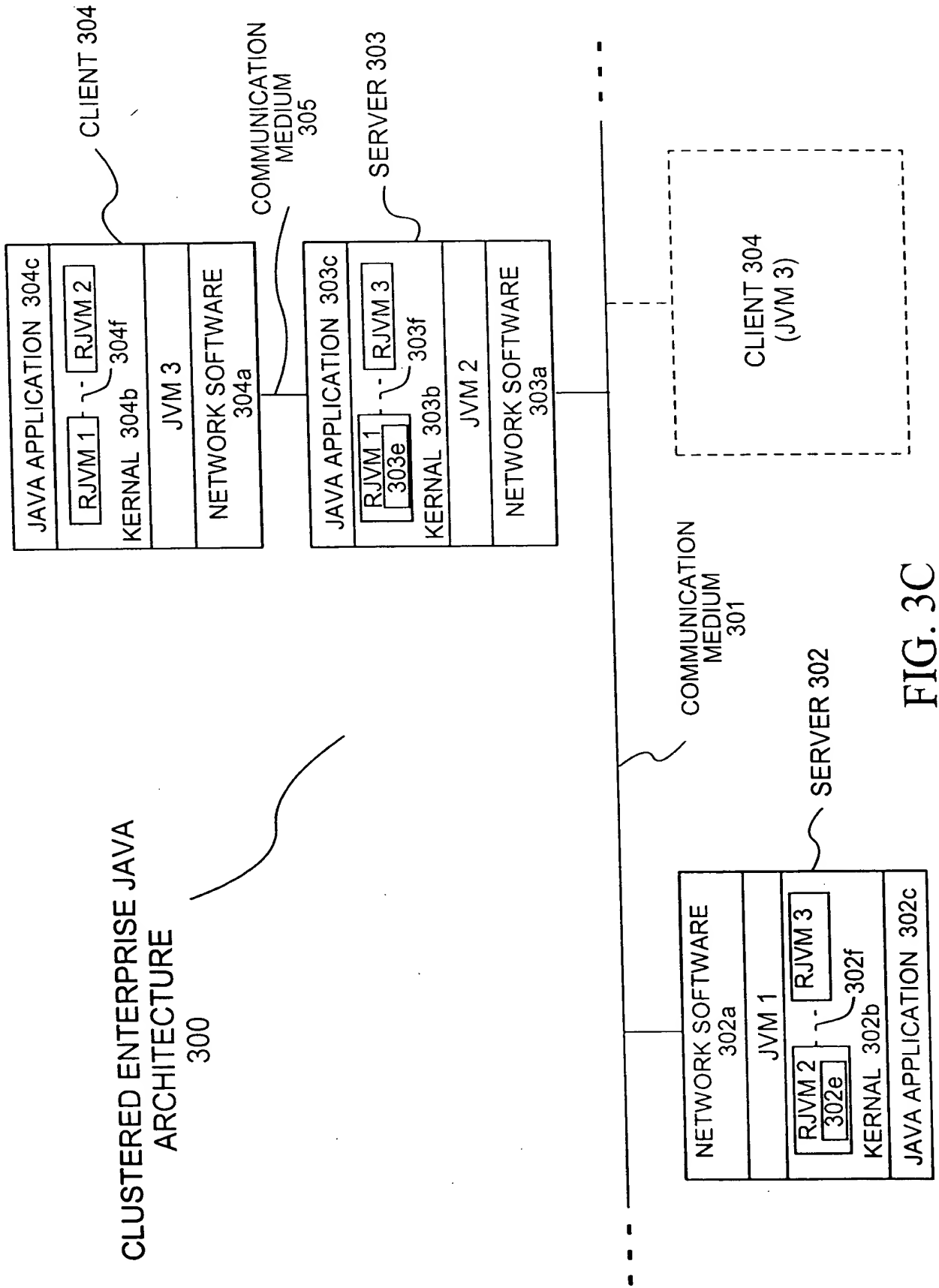


FIG. 3C

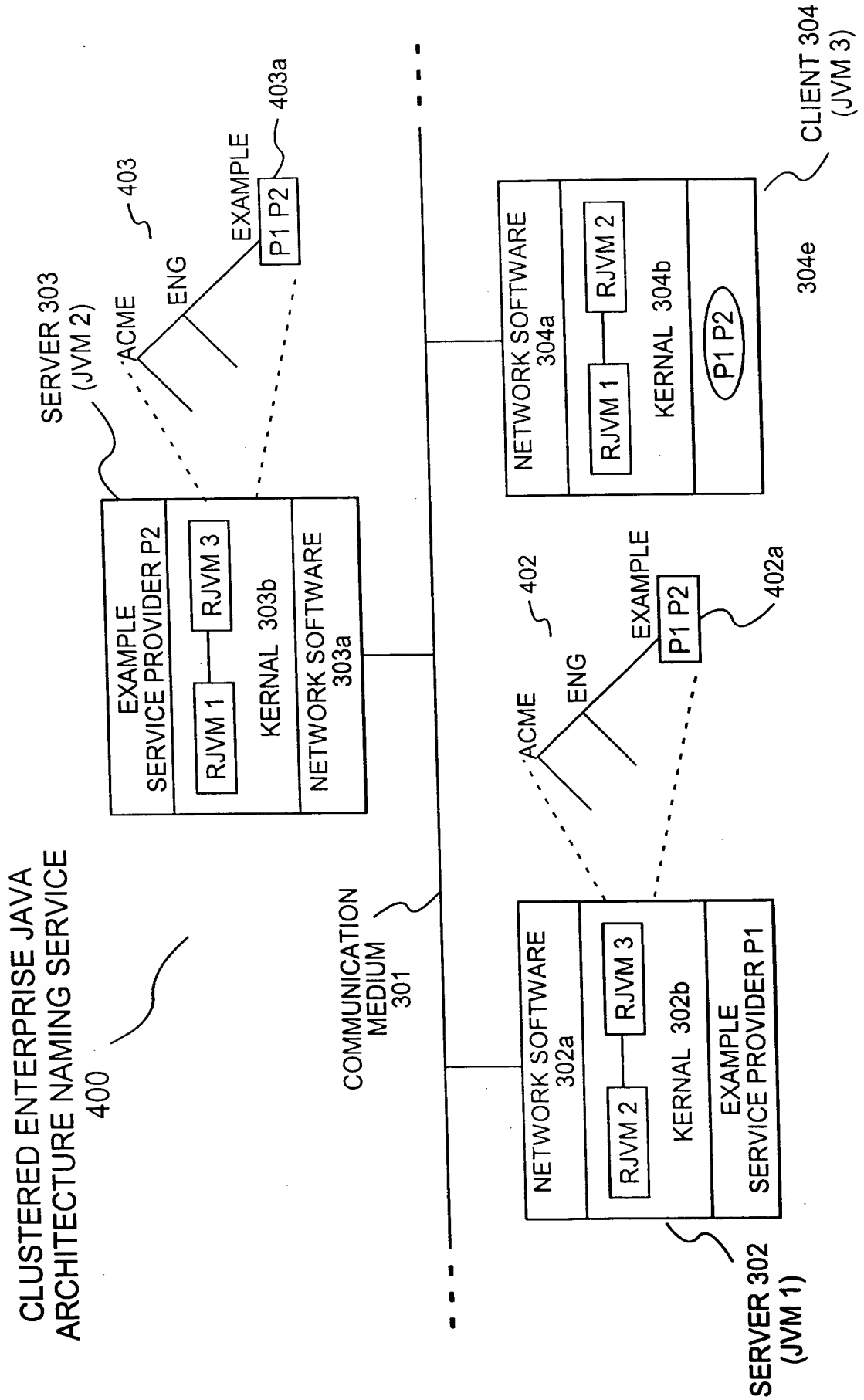


FIG. 4

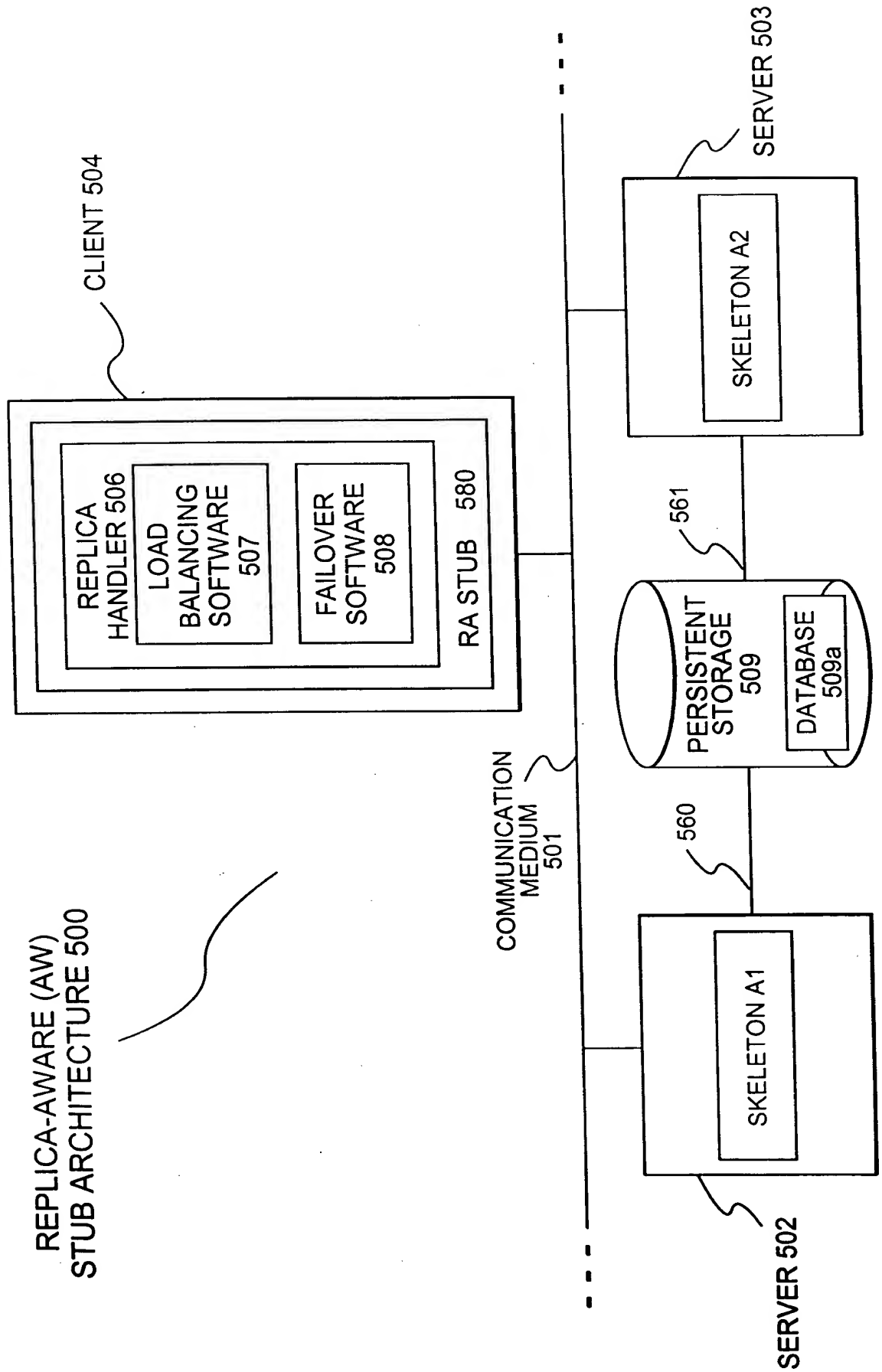


FIG. 5A

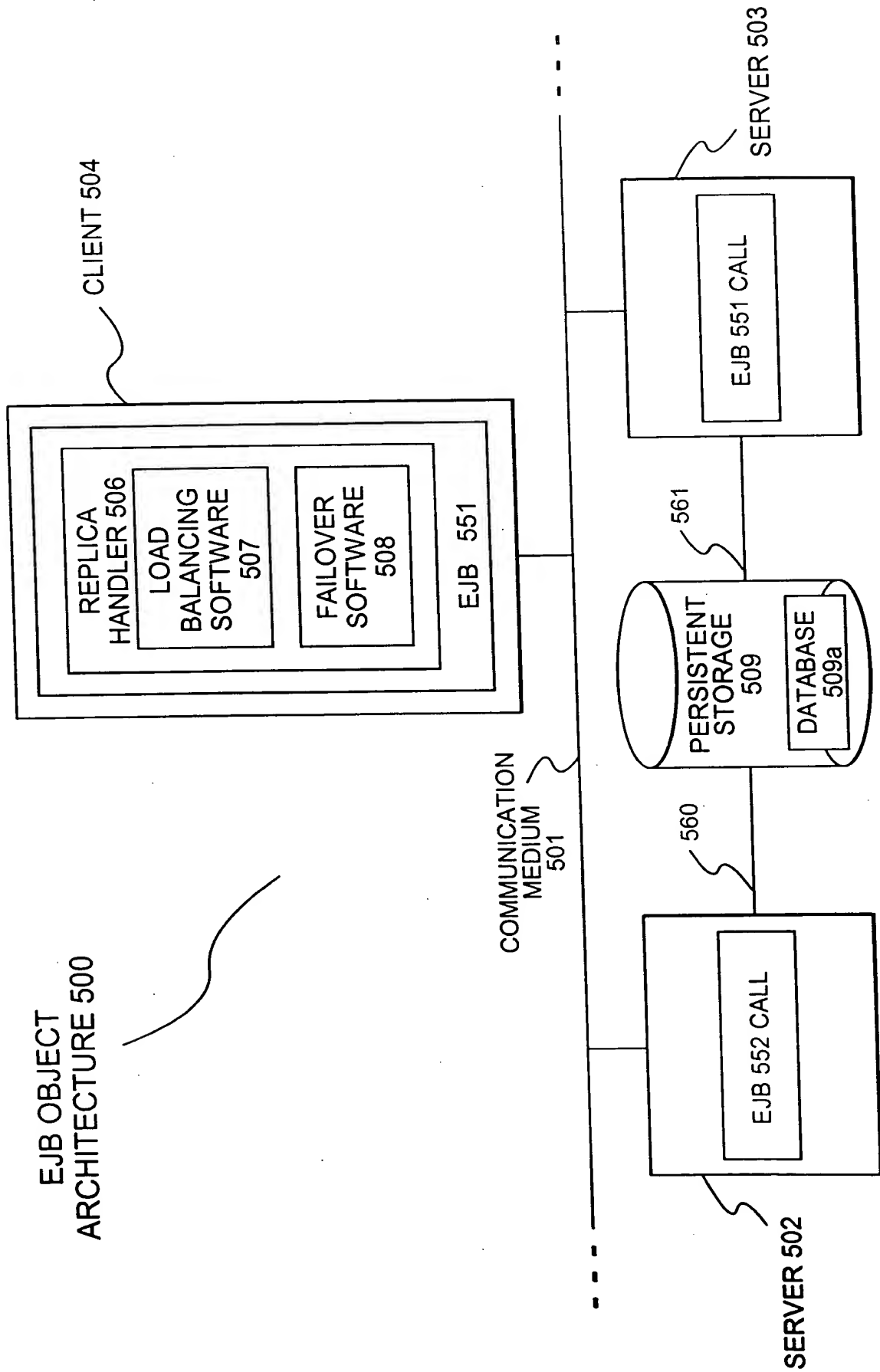


FIG. 5B

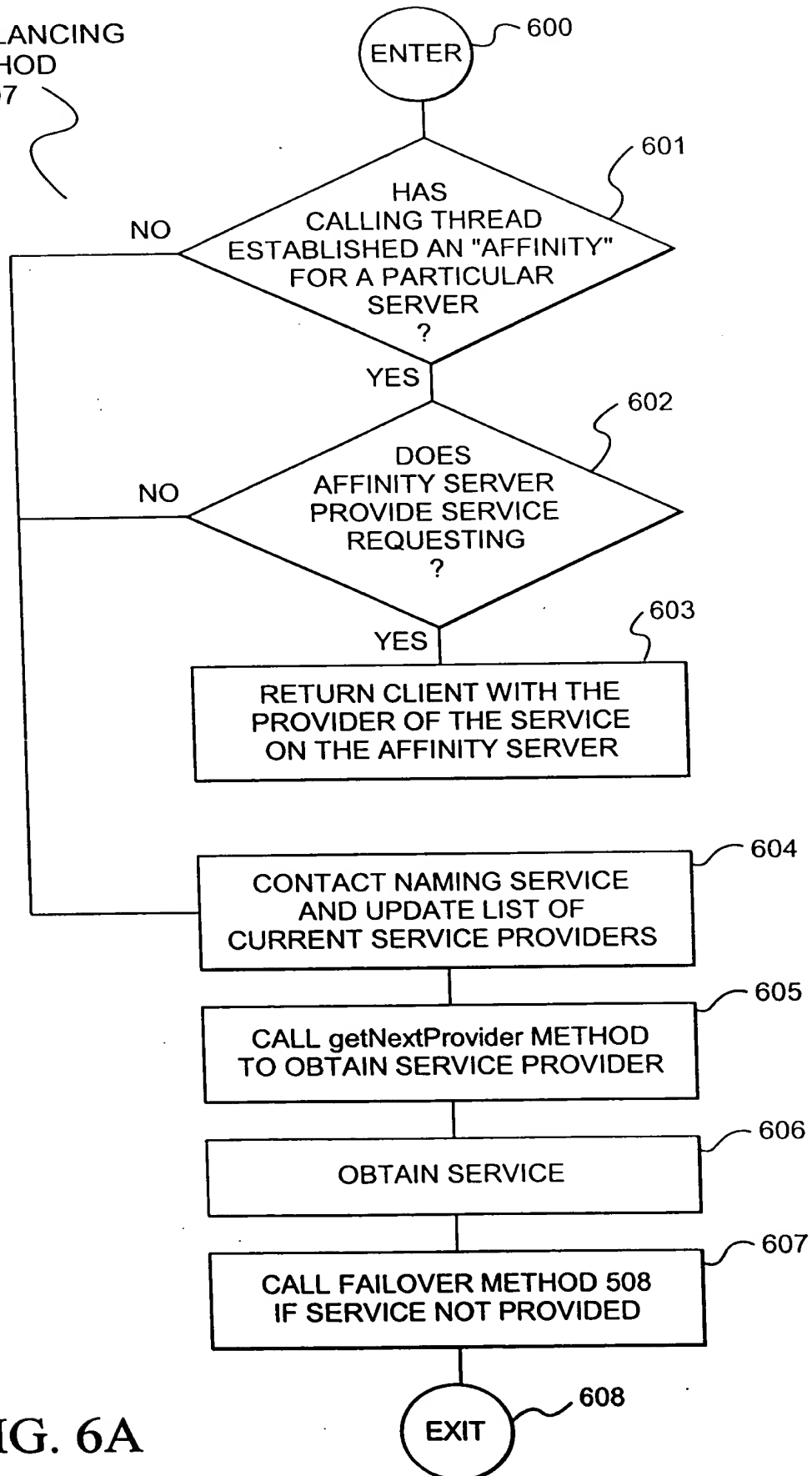
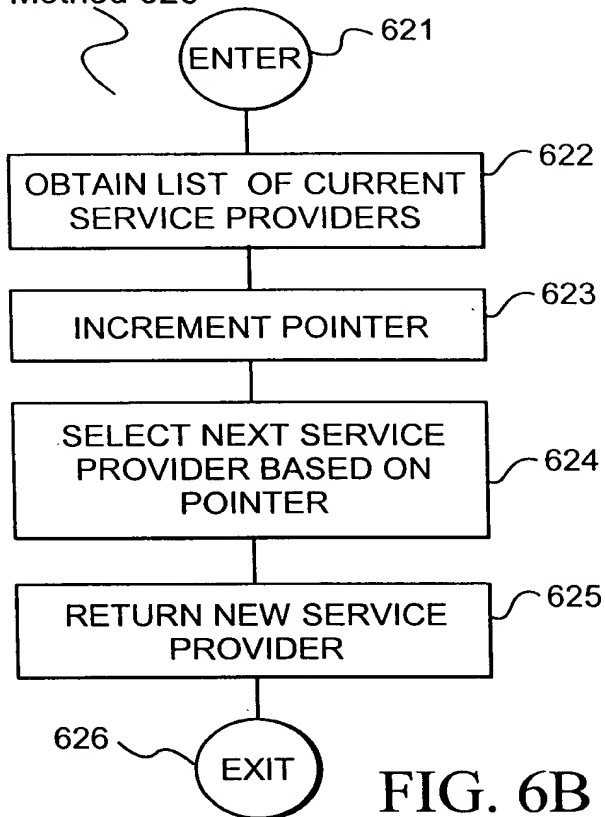
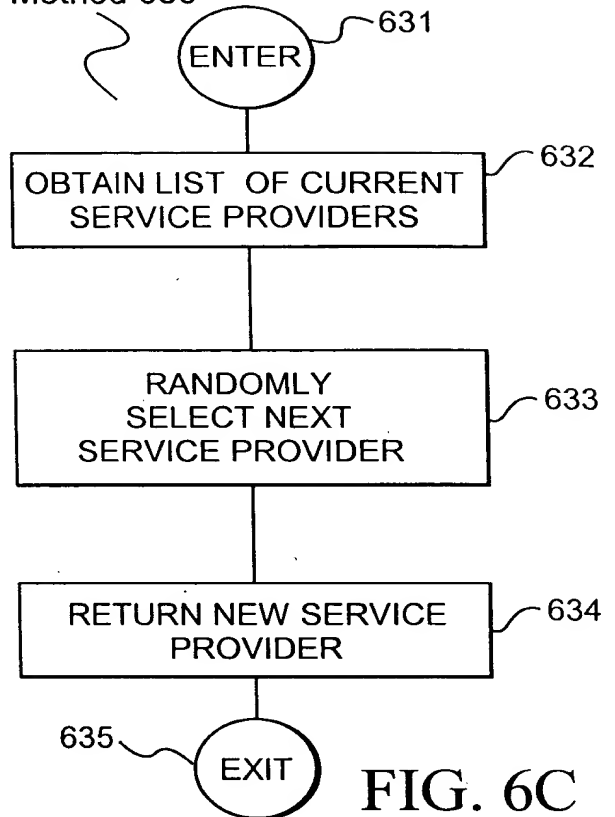
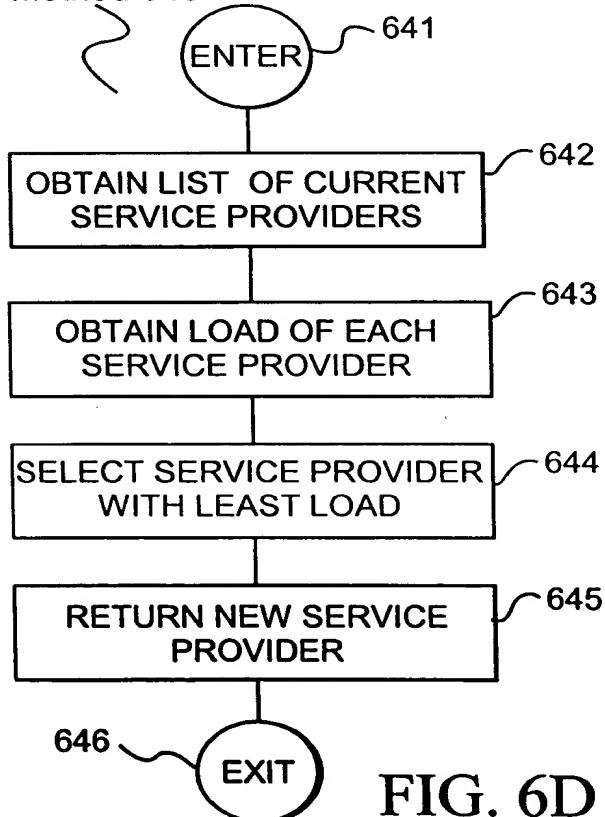
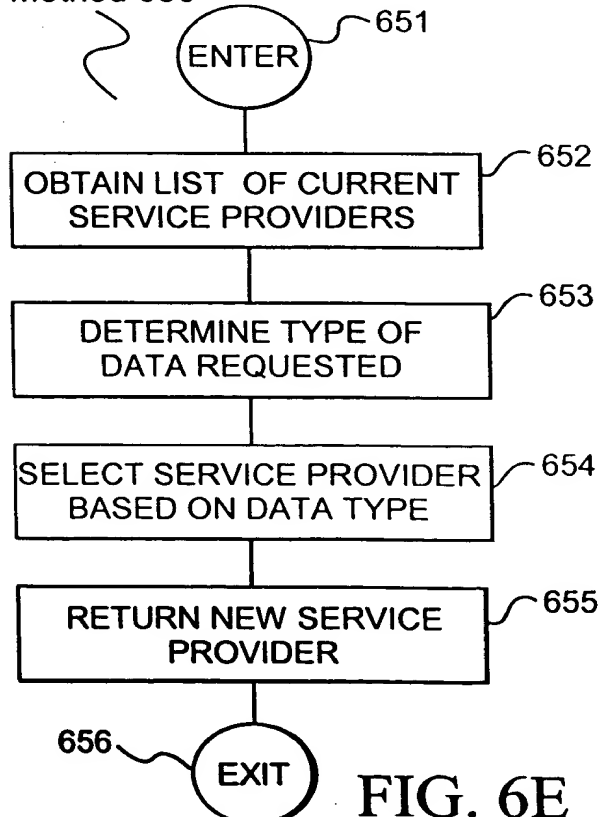
LOAD BALANCING
METHOD
507

FIG. 6A

getNextProvider
Method 620getNextProvider
Method 630getNextProvider
Method 640getNextProvider
Method 650

getNextProvider
Method 660

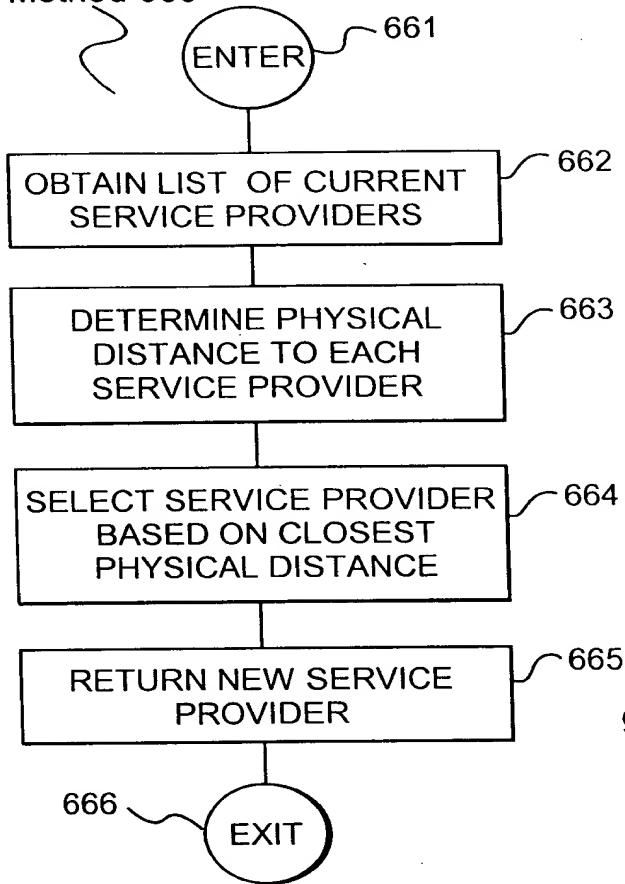


FIG. 6F

getNextProvider
Method 670

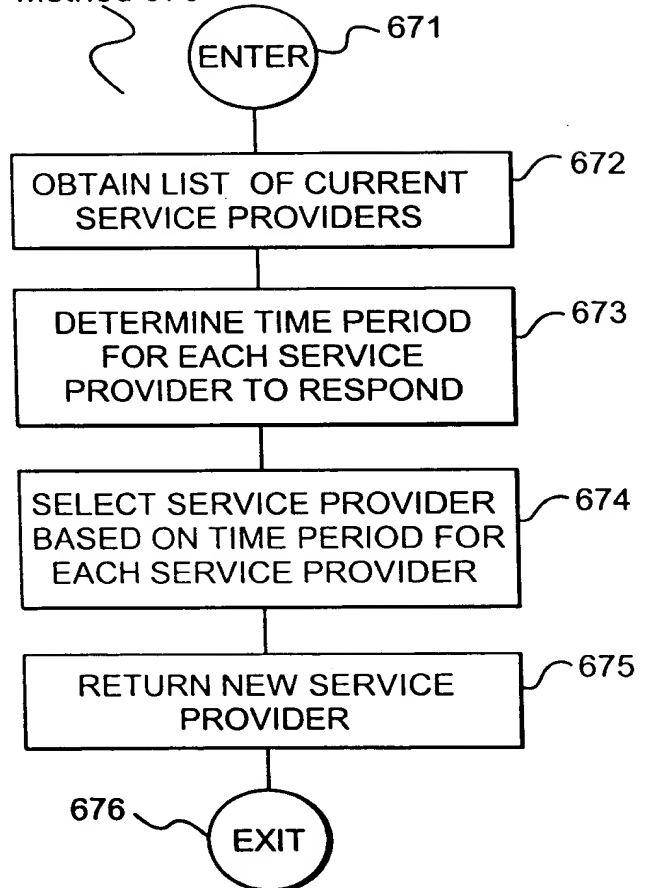


FIG. 6G

FAILOVER
METHOD 508

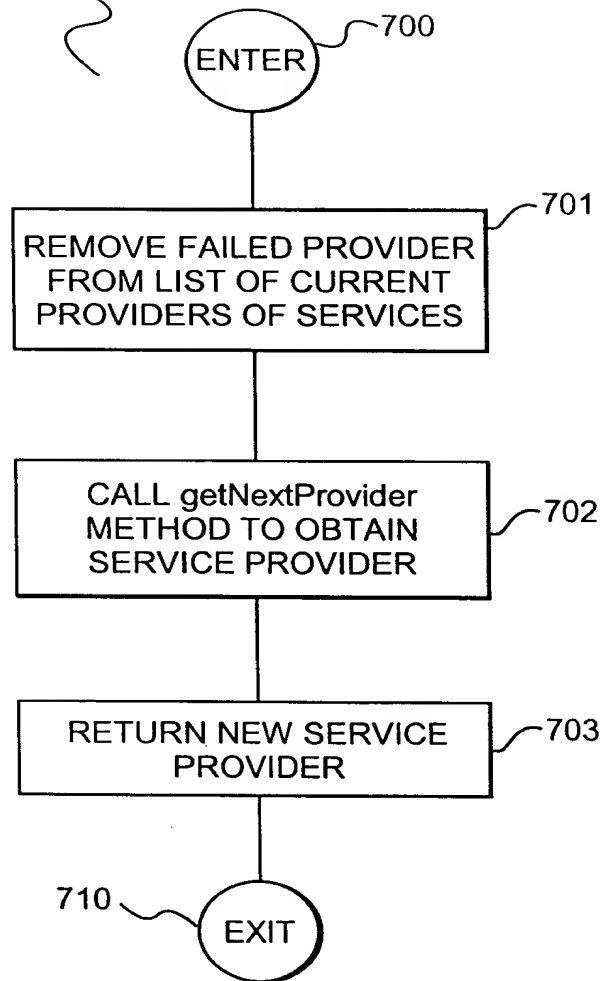


FIG. 7

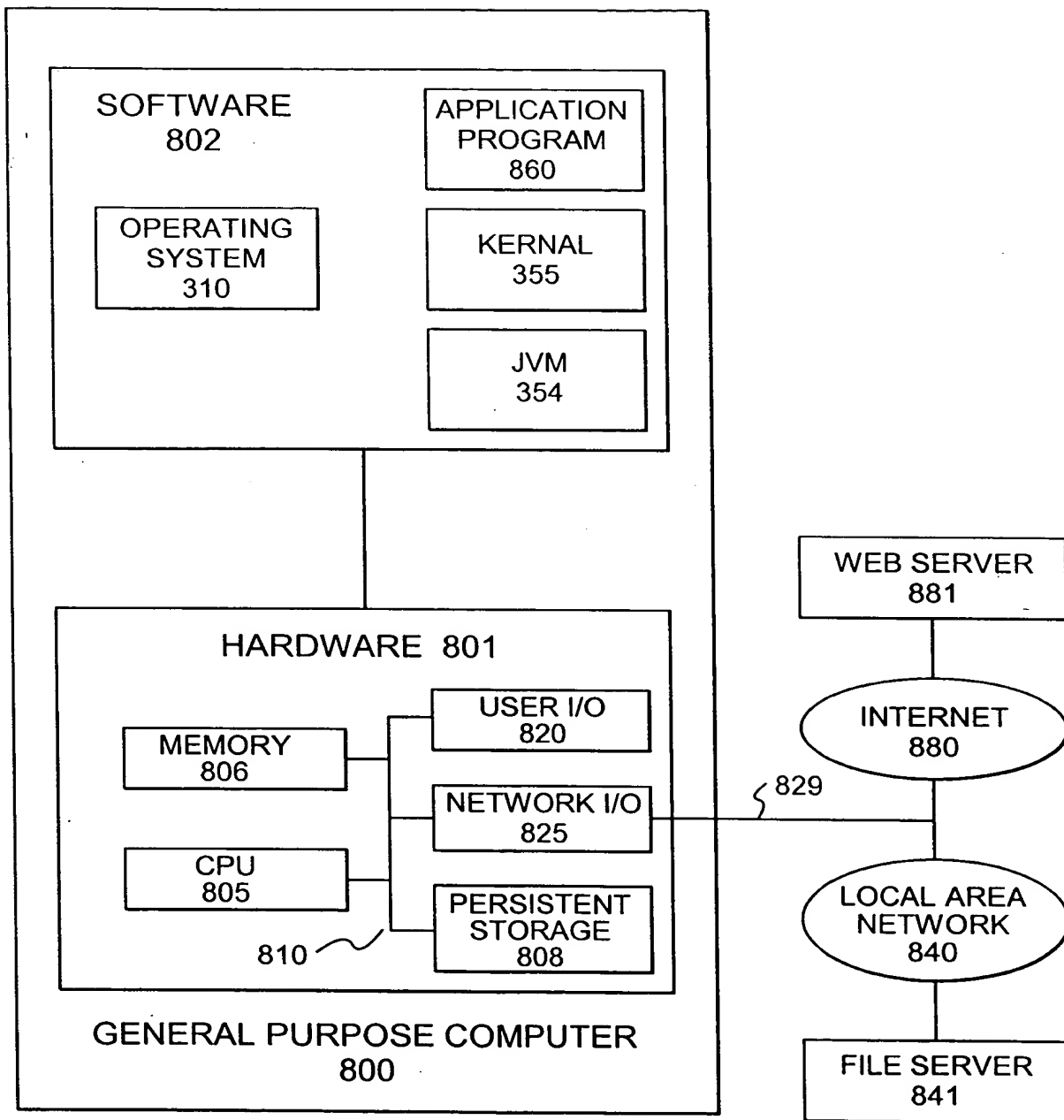


FIG. 8